

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(distributed adj point adj source adj method)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:54
S2	1812	703/2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:54
S3	548	703/2.ccls. magnet\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/01 16:54
S4	237	703/2.ccls. magnet\$2 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/01 16:54
S5	78	703/2.ccls. magnet\$2 matrix wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:54
S6	35	703/2.ccls. magnet\$2 matrix wave mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:58
S7	31	703/2.ccls. magnet\$2 matrix wave mesh surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:23
S8	1102774	wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:23

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S9	221862	magnet\$3 wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S10	28052	magnet\$3 wave matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S11	9326	magnet\$3 wave matrix vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S12	7900	magnet\$3 wave matrix vector multipl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S13	6169	magnet\$3 wave matrix vector multipl\$3 surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S14	445	magnet\$3 wave matrix vector multipl\$3 surface obstacle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:25
S15	330	magnet\$3 wave matrix vector multipl\$3 surface obstacle interact\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:25
S16	54	magnet\$3 wave matrix vector multipl\$3 surface obstacle interact\$3 mesh\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:26

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S17	64	electric\$3 wave matrix vector multipl\$3 surface obstacle interact\$3 mesh\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:28
S18	56111	(magnet\$2 with wave)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:28
S19	446	(magnet\$2 with wave) surface mesh matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:29
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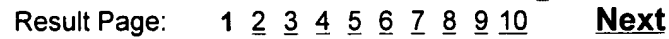
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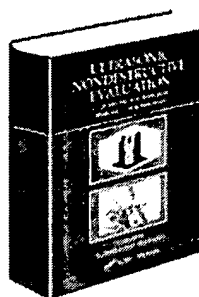
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N. Liebeaux and D. Placko

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(Received: 19 July 2001 / Received in final form: 27 June 2002 / Accepted: 28 June 2002 Published online: 2 October 2002)

Abstract

This paper presents a original method for open magnetic cores modelling. It is called the distributed point source method. It is based on a spatial distribution of point sources located on the core surfaces emitting the magnetic flux, called the active surfaces. Compared to Finite Elements methods, the DSPM method requires only the modeling of these active surfaces, which considerably reduces the solving process time. In this paper, the DSPM method is applied on a magnetic cylindrical core, placed in free space.

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